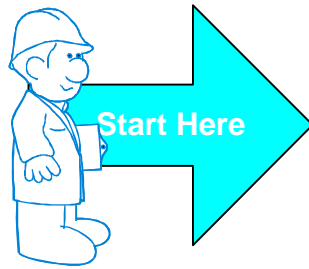


# National Pipeline Mapping System



... A Five-Step Submission Guide

## STEP 1 Determine Type of NPMS Submission



Do you operate a natural gas transmission pipeline, hazardous liquid trunkline, or LNG facility?  
(See Key Terms and Definitions in the NPMS Operator Standards, Section 2.)

Have the pipeline or LNG facility data previously been submitted to NPMS by you or a previous operator?

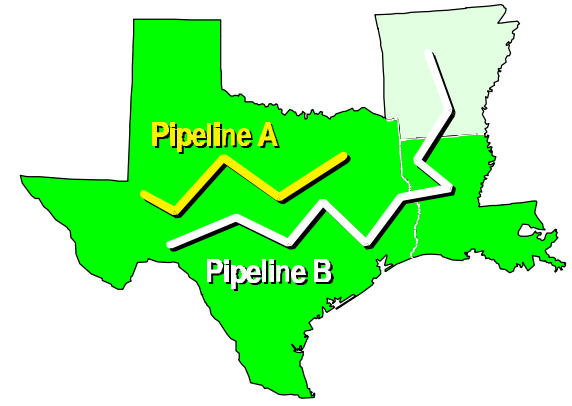
You should submit your pipeline and/or LNG facility data to the NPMS.

Is the attribute information about your pipelines and LNG facilities current?  
To determine this, check the NPMS Web Site.  
(Tip: Make note of the NPMS\_SYS\_IDS that apply to your pipeline systems and LNG facilities.)

NPMS repositories accept several types of modifications.  
(See NPMS Operator Standards, Section 2.2.)

NPMS has several state repositories and a National Repository. Rules govern which repository should receive submissions. For a list of active state repositories, check the NPMS Web Site. This is a sample decision.

State Repository  
No State Repository

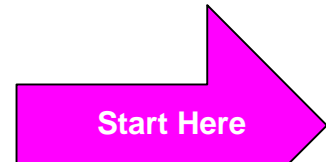


**Pipeline System A** falls entirely within the state of Texas. Therefore, the operating firm will make its submission to the Texas repository.  
**Pipeline System B** crosses several state boundaries. Therefore, if the operating firm is submitting digital geospatial data, it may send the entire submission to the National Repository. However, if submitting hard-copy maps, the operator should make three NPMS submissions: one each to the Texas and Louisiana State repositories, and to the National Repository for the portion of the pipeline system in Arkansas, which does not have a state repository.

Go To Step 2.

(If you have a GIS, Steps 2 and 3 are combined.)

## STEP 2 Prepare Attribute Data



(See NPMS Operator Standards, Section 3.)

Review NPMS data model:  
Learn how map features, pipelines, and LNG facilities (line segments and points) relate to their attributes.

Pipeline Attributes					
FIELD NAME	TYPE	LENGTH	DESCRIPTION	REQUIRED	FIELD
OPER_LINK	I	8	Unique Link ID	Y	
OPS_ID	I	8	Operator Number	Y	
OPER_NM	C	40	Operator Name	Y	
SYS_NM	C	40	System Name	Y	
SUBSYS_NM	C	40	Sub System Name	N	
PLINE_ID	C	20	Pipeline ID	Y	
DIAMETER	R	4	Diameter (##.##)	N	
COMMODITY1	C	3	Commodity Category 1	Y	
COMMODITY2	C	3	Commodity Category 2	N	
COMMODITY3	C	3	Commodity Category 3	N	
CMDTY_DESC	C	40	Commodity Description	N	
INTERSTATE	C	1	Interstate Designation	Y	
STATUS_CD	C	1	Pipeline Status Code	Y	
QUALITY_CD	C	1	Data Quality Code	Y	
REVIS_CD	C	1	Revision Code	Y	
META_NAME	C	12	Metadata File Name	Y	

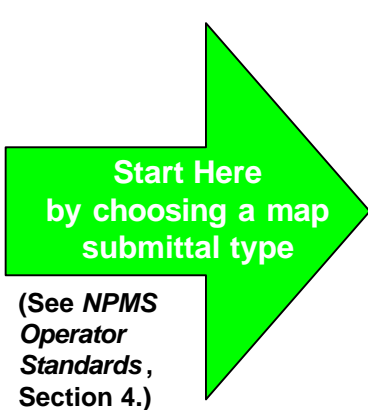
LNG Facility Attributes					
FIELD NAME	TYPE	LENGTH	DESCRIPTION	REQUIRED	FIELD
OPER_LINK	I	8	Unique Link ID	Y	
OPS_ID	I	5	Operator Number	Y	
OPER_NM	C	40	Operator Name	Y	
LNG_NM	C	40	LNG Facility Name	Y	
LNG_ID	C	20	LNG Facility ID	Y	
STATUS_CD	C	1	Pipeline Status Code	Y	
QUALITY_CD	C	1	Data Quality Code	Y	
REVIS_CD	C	1	Revision Code	Y	
META_NAME	C	12	Metadata File Name	Y	

Rules for entering attribute data:  
1. Use only UPPERCASE when defining field names.  
2. Use only UPPERCASE when entering data into the attribute tables.  
3. Omit all punctuation except for periods (.), spaces ( ), backslashes (\), colons (:), commas (,), hyphens (-), and underscores (\_).

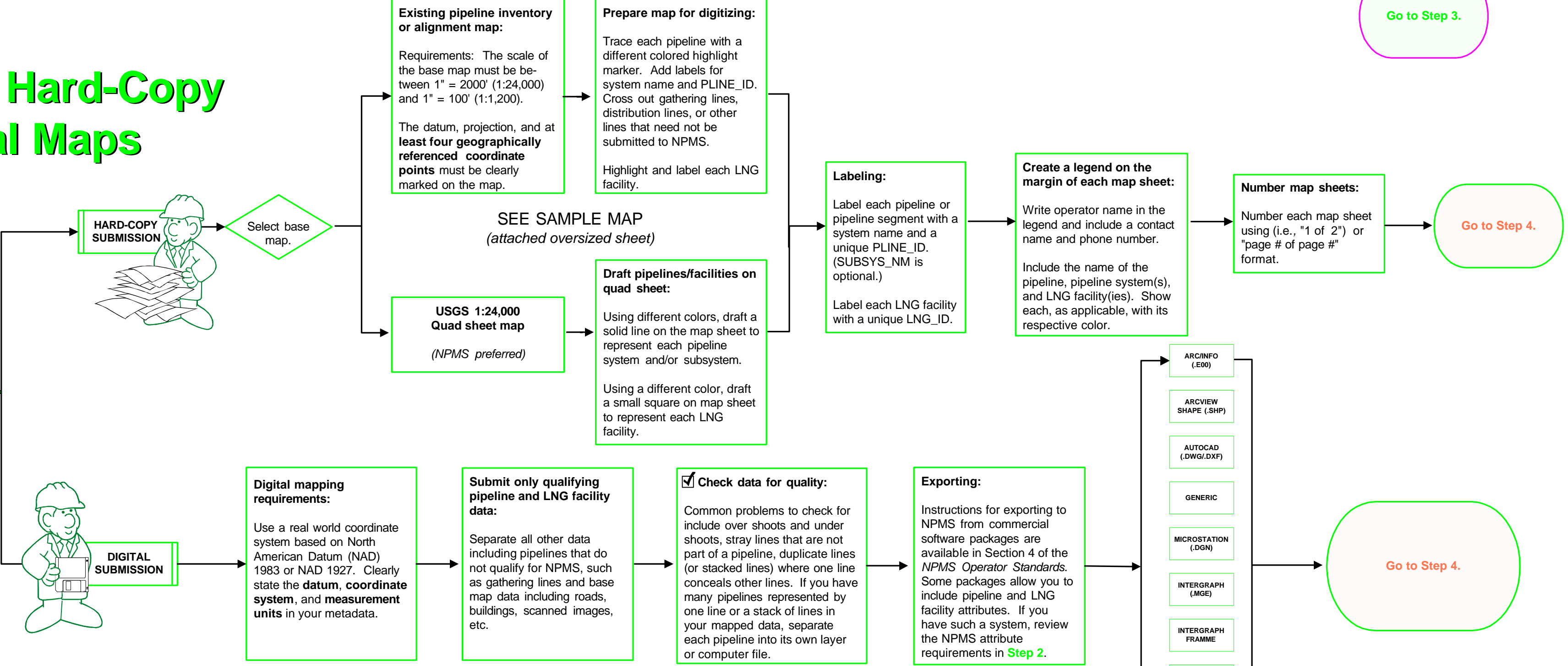
Build the pipeline and/or LNG facility attribute tables using:  
- NPMS attribute data software (provided free on the NPMS Web Site).  
- Use GIS software and include with digital map submittal.  
- Use other commercial software to create a .DBF or semicolon-delimited ASCII file.

Go To Step 3.

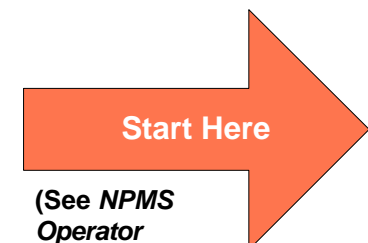
## STEP 3 Prepare Hard-Copy or Digital Maps



(See NPMS Operator Standards, Section 4.)



## STEP 4 Prepare Metadata



(See NPMS Operator Standards, Section 5.)

NPMS metadata template:  
1. Install NPMS metadata preparation software on a Microsoft® Windows®-based personal computer. If you do not have the software, you can download it from the NPMS Web Site.  
2. Answer all the required questions.  
3. Save the metadata file to diskette. Keep a copy of the metadata file. It will save time when making your next NPMS submission.



## STEP 5 Check and Send Submission

Use checklist:  
Complete the submission check list included in the NPMS Operator Standards.  
(See NPMS Operator Standards, Section 6.)

Package submission:  
1. Prepare a cover letter or transmittal form with contact information.  
2. Roll hard copy maps and send in a tube. Do not send folded maps.  
3. Write all digital file(s) including geospatial data, attribute data, and metadata to NPMS-approved media: diskettes, CD-ROMs, Iomega® zip disks.  
or  
If you have an all-digital submittal, connect to the NPMS Web Site and submit your data electronically, where available.

Mail submission or send submission on-line to [www.npms.rspa.dot.gov](http://www.npms.rspa.dot.gov)

